PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHO	DRITY				
То:		PCT			
GARY P. KATZ EXXONMOBIL UPSTREAM RESEARC	H COMPANY				
PO BOX 2189 HOUSTON, TX 77252-2189		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
			(PCT Rule 43bis.1)		
		Date of mailing (day/month/year)	79 JU 2000		
Applicant's or agent's file reference		FOR FURTHER	·		
2003UR014			See paragraph 2 below		
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)		
PCT/US04/08238	18 March 2004 (18.03.2		31 March 2003 (31.03.2003)		
International Patent Classification (IPC) o	r both national classificat	tion and IPC			
IPC(7): G01V 7/00 and US C1.: 702/002					
Applicant					
EXXONMOBIL UPSTREAM RESEARC	H COMPANY				
1. This opinion contains indications rela	ting to the following item	ns:			
Box No. I Basis of the	opinion				
Box No. II Priority					
Box No. III Non-establis	hment of opinion with re	gard to novelty, inve	ntive step and industrial applicability		
Box No. IV Lack of unity	Box No. IV Lack of unity of invention				
Box No. V Reasoned sta applicability:	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain docu	Certain documents cited				
Box No. VII Certain defea	Certain defects in the international application				
Box No. VIII Certain obse	rvations on the internatio	nal application			
2. FURTHER ACTION					
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis (b) that written opinions of this International Searching Authority will not be so considered.					
IPEA a written reply together, whe mailing of Form PCT/ISA/220 or bef	ere appropriate, with am fore the expiration of 22 i	endments, before th	EA, the applicant is invited to submit to the e expiration of 3 months from the date of rity date, whichever expires later.		
For further options, see Form PCT/IS	SA/220.		:		
3. For further details, see notes to Form	PCT/ISA/220.				
Name and mailing address of the ISA/ US	i	Authorized officer	mihelle R. Gio		
Mail Stop PCT, Attn: ISA/US		Victor J. Taylor			
Commissioner for Patents P.O. Box 1450					
Alexandria, Virginia 22313-1450		Telephone No. 5	71-272-1750		

P.O. Box 1430
Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

<i>ن</i> ب	_		
International	application	No.	

PCT/US04/08238

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and
23.1(b)).
With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

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International	application	No
PCT/US04/0	8238	

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement YES Claims 1-14 Novelty (N) Claims NONE NO Claims 1-14 _YES Inventive step (IS) Claims NONE NO YES. Claims 1-14 Industrial applicability (IA) NO Claims NONE 2. Citations and explanations: Claims 1-14 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the modeling method for predicting the properties of a sedimentary deposit using the data and operational criteria including the use of contour of constant deposit thickness determination for generation of fluid flow and deposit properties. Claims 1-14 meet the criteria set out in PCT Article 33(4), and thus provide for the modeling of the subterranean deposits for fluid flow and provide for the industrial applicability because the subject matter claimed can be made or used in industry.

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